

Inventors: Ruoslahti and Pasqualini
Serial No.: 09/228,866
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Page 2

D¹
15. (Twice Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CLSSRLDAC (SEQ ID NO: 3).

D²
17. (Twice Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CNSRLHLRC (SEQ ID NO: 1).

D³
19. (Twice Amended) An isolated [A] peptide, [that
selectively homes to brain] comprising the amino acid sequence
CNSRLQLRC (SEQ ID NO: 5).

D⁴ D⁵ E 2
24. (Twice Amended) An isolated [A] peptide that
selectively homes to brain, consisting of the amino acid
sequence:

X₃VLRX₄ (SEQ ID NO: 46),

wherein X₃ is absent or is 1 to 10 independently
selected amino acids and X₄ is 1 to 20 independently selected
amino acids, and wherein said peptide is cyclic and exhibits at
least two-fold greater specific binding to brain than to kidney.

D⁵
28. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CVLRGGRC (SEQ ID NO: 4).

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Page 3

D⁶
30. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
WRCVLREGPAGGCAWFNRHRL (SEQ ID NO: 16).

D⁷
32. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CENWWGDVC (SEQ ID NO: 2).

D⁸
34. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CGVRLGC (SEQ ID NO: 6).

D⁹
36. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CKDWGRIC (SEQ ID NO: 7).

D¹⁰
38. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CLDWGRIC (SEQ ID NO: 8).

D¹¹
40. (Amended) An isolated [A] peptide [that
selectively homes to brain], comprising the amino acid sequence
CTRITESC (SEQ ID NO: 9).